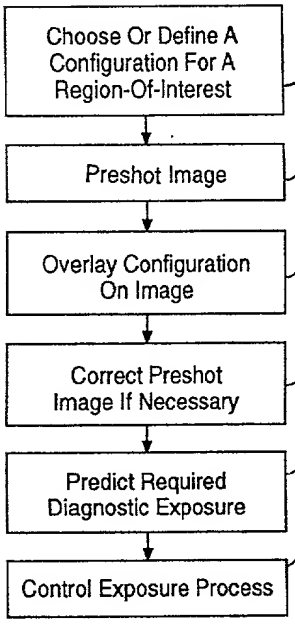

FIG.1

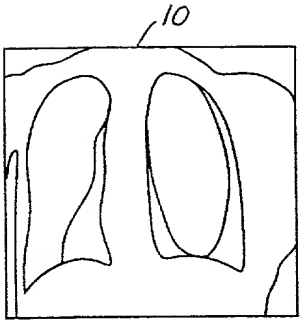

FIG.2

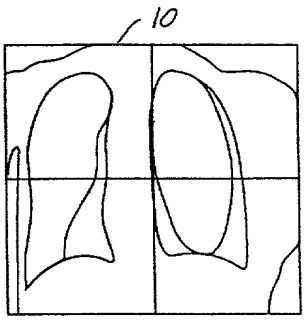

FIG.3

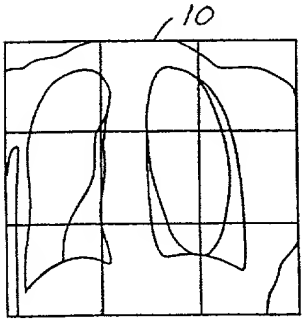

FIG. 4

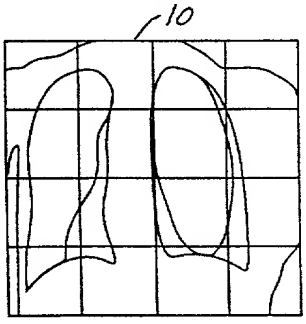

FIG. 5

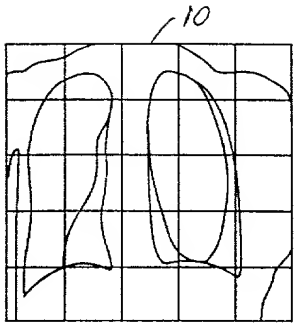

FIG.6

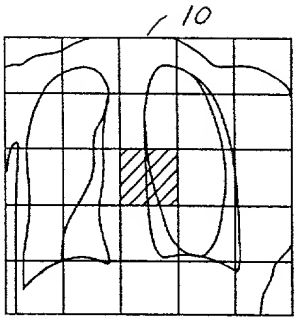

FIG.7

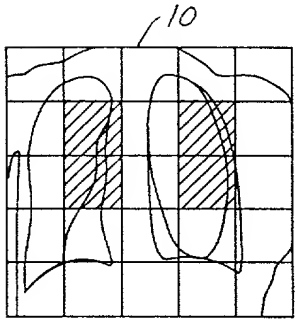

FIG.8

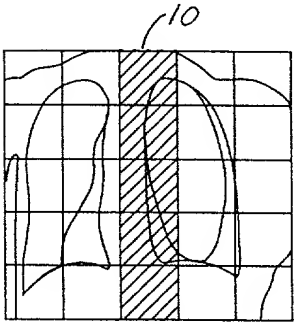

FIG.9

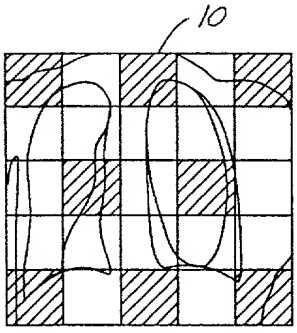

FIG.10

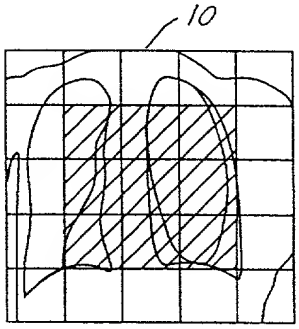

FIG.11

09683927 - 092602

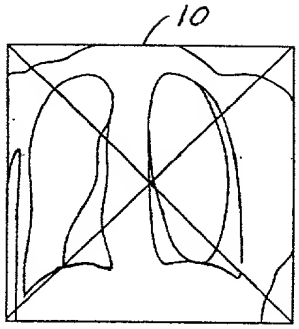

FIG. 12

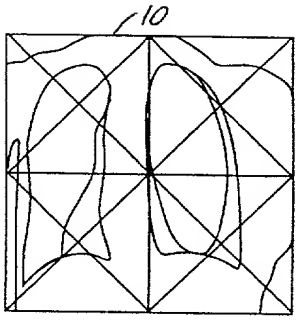

FIG. 13

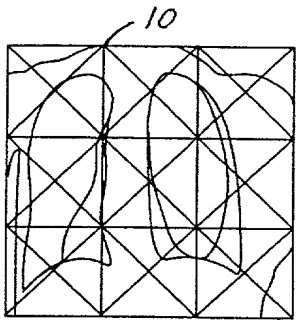

FIG. 14

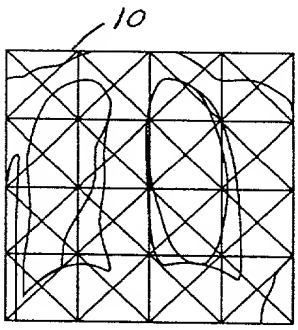

FIG. 15

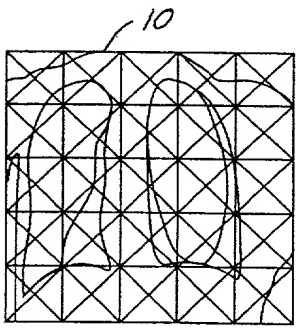

FIG. 16

09683927 - 092804

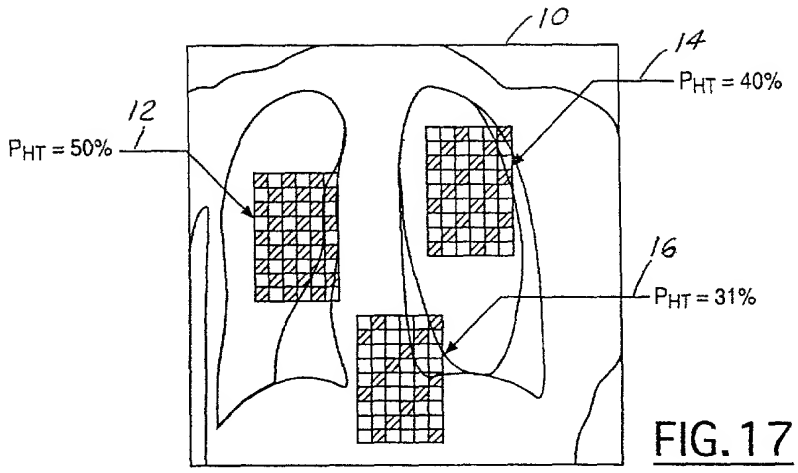

FIG. 17

System Geometry Value	ROI Shape Before Geometry Value Change	ROI Shape After Geometry Value Increase	ROI Shape After Geometry Value Decrease	Type of Geometrical Transformation on ROI
SID [mm]				Uniform Dilation
Tube Angle (Lateral) [°]				Non-uniform Dilation
Tube Angle (Longitudinal) [°]				Non-uniform Dilation
Detector Angle (Lateral) [°]				Non-uniform Dilation
Detector Angle (Longitudinal) [°]				Non-uniform Dilation
Collimator FOV [mm]				Uniform or Non-uniform Dilation
Collimator Rotation [°]				Rotation
Tube Detector Misalignment [mm]				X, Y, or XY-Translation

22 24 26 28 20 30

FIG. 18

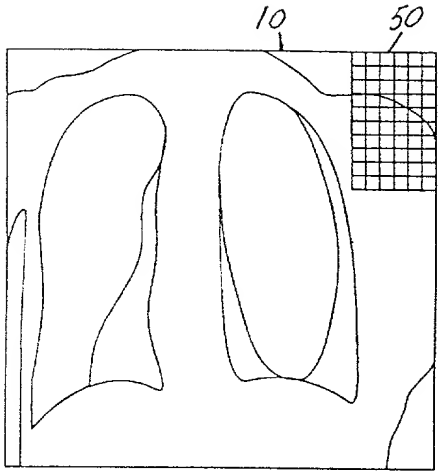

FIG. 19

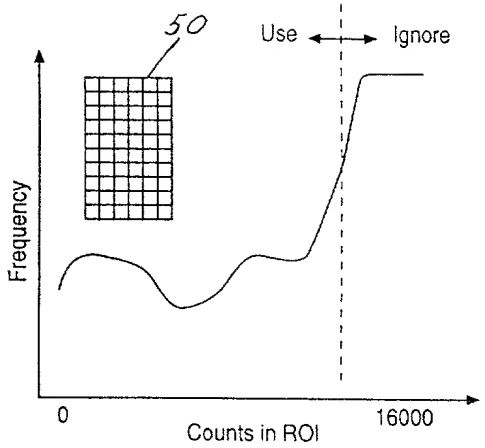

FIG. 20

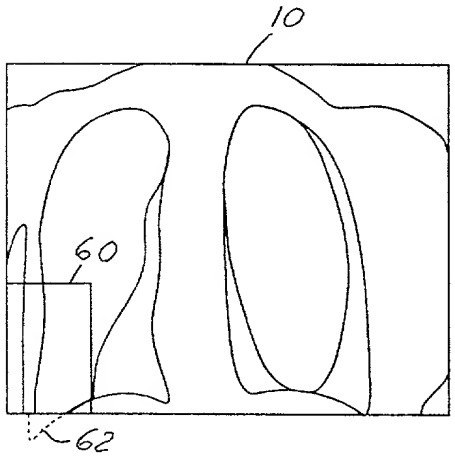

FIG. 21

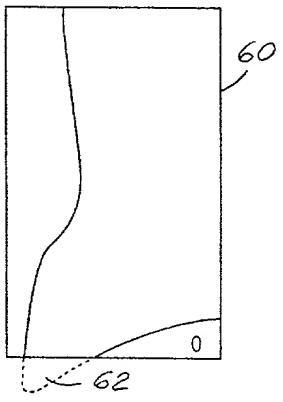

FIG. 22

09683927 - 092802

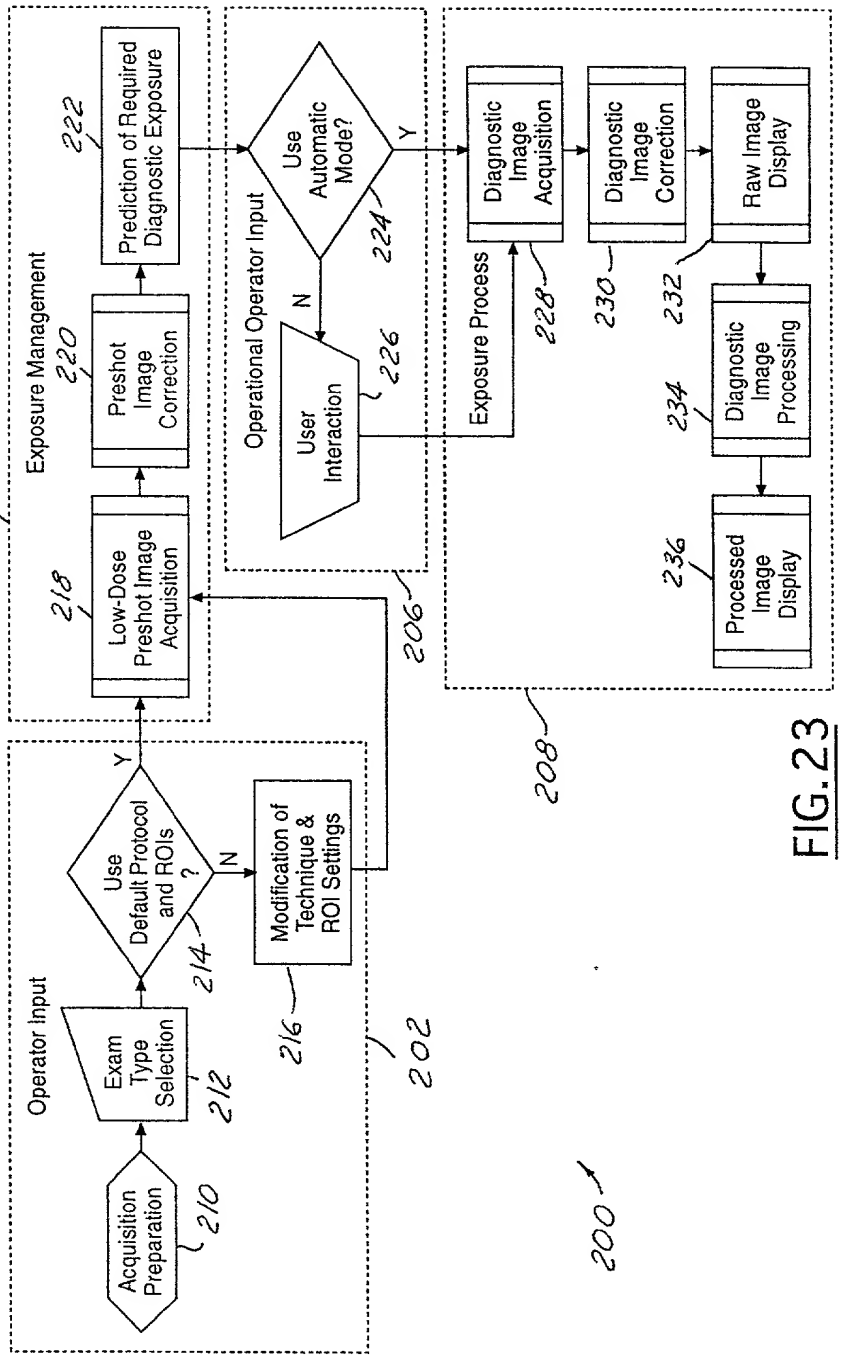
200
202
204
206
208
Operator Input
Acquisition Preparation
210
Exam Type Selection
212
Use Default Protocol and ROIs ?
214
Y
N
Modification of Technique & ROI Settings
216
Exposure Management
Low-Dose Preshot Image Acquisition
218
Preshot Image Correction
220
Prediction of Required Diagnostic Exposure
222
Operational Operator Input
Use Automatic Mode?
224
Y
N
User Interaction
226
Exposure Process
Diagnostic Image Acquisition
228
Diagnostic Image Correction
230
Raw Image Display
232
Diagnostic Image Processing
234
Processed Image Display
236

FIG. 23